

What is claimed is:

[1] A method for the production of a tubular article resulting from joining by insertion a tubular body (a) possessed of a layer comprised of a thermoplastic resin composition (A) containing a styrene type elastomer and a polyolefin type resin and a tubular body (b) comprised of a thermoplastic resin composition (B) containing a polyolefin, characterized by comprising

a step of interposing an absorbent having an absorption wavelength of 700 - 2,500 nm on the tubular body (a) and/or the tubular body (b) in the connected part of the tubular body (a) and the tubular body (b) so related as to have a ratio of the outside diameter of a thin tube and the inside diameter of a thick tube (outside diameter of thin tube/inside diameter of thick tube = X) in the range of $1 < X < 1.25$,

a step of connecting the tubular body (a) and the tubular body (b) by mutual insertion, and

a step of causing the connected part to adhere by irradiation with a laser beam, wherein

the storage elastic modulus of the tubular body (a) is in the range of $1.0 \times 10^7 - 6.7 \times 10^8$ Pa, the storage elastic modulus of the tubular body (b) is in the range of $2 \times 10^7 - 9 \times 10^8$ Pa, and the storage elastic modulus of the tubular body (b) is higher than that of the tubular body (a).

[2] A method for the production of a tubular article according to claim 1, wherein the tubular body (a) is a laminated body of not less than two layers and the composition of the connected part thereof adhering to the tubular body (b) is comprised of a thermoplastic resin composition (A) containing a styrene type elastomer and a polyolefin type resin.

[3] A method for the production of a tubular article

according to claim 1, wherein the haze value of the tubular body (a) is not more than 40 % and the haze value of the tubular body (b) is not more than 85 %.

[4] A method for the production of a tubular article
5 according to claim 1, wherein the content of the styrene type elastomer in the thermoplastic resin composition (A) containing the styrene type elastomer and the polyolefin type resin is in the range of 5 - 85 % by weight.

[5] A method for the production of a tubular article
10 according to claim 1, wherein the rate of content of the polyolefin in the thermoplastic resin composition (B) containing the polyolefin is in the range of 20 - 100 % by weight.

[6] A method for the production of a tubular article
15 according to claim 1, wherein the styrene type elastomer is comprised of an aromatic vinyl polymer block and a conjugated diene type polymer block.

[7] A method for the production of a tubular article
according to claim 6, wherein the aromatic vinyl polymer block
20 is comprised of polystyrene or poly- α -methyl styrene and the conjugated diene type polymer block is comprised of polyisoprene, an isoprene/butadiene copolymer, polybutadiene, or the hydrogenated product thereof.

[8] A method for the production of a tubular article
25 according to claim 6, wherein the conjugated diene type polymer block is any of the following members (1) - (3):

(1) the polyisoprene having contents of 1,2-bond unit and 3,4-bond unit both in the range of 10 - 75 mol % and having hydrogenated not less than 70 % of a carbon-carbon double
30 bonds,

(2) the isoprene-butadiene copolymer containing isoprene and butadiene at a ratio in the of range of 5/95 - 95/5 (mass

ratio), having contents of 1,2-bond unit and 3,4-bond unit both in the range of 20 -85 mol %, and having hydrogenated not less than 70 % of a carbon-carbon double bonds, and

(3) the polybutadiene having a content of 1,2-bond unit
5 of not less than 45 mol % and having hydrogenated not less than 70 % of a carbon-carbon double bond.

[9] A method for the production of a tubular article according to claim 1, wherein the polyolefin type resin comprising the tubular body (a) and/or the tubular body (b)
10 contains polypropylene resin and/or polyethylene resin.

[10] A method for the production of a tubular article according to claim 1, wherein the absorbent is one or more members selected from the group consisting of phthalocyanine, cyanine, aminium, imonium, squalium, polymethine,
15 anthraquinone, carbon black, and coating materials for plastics.